OIPE IAP45
SEP 26 2005
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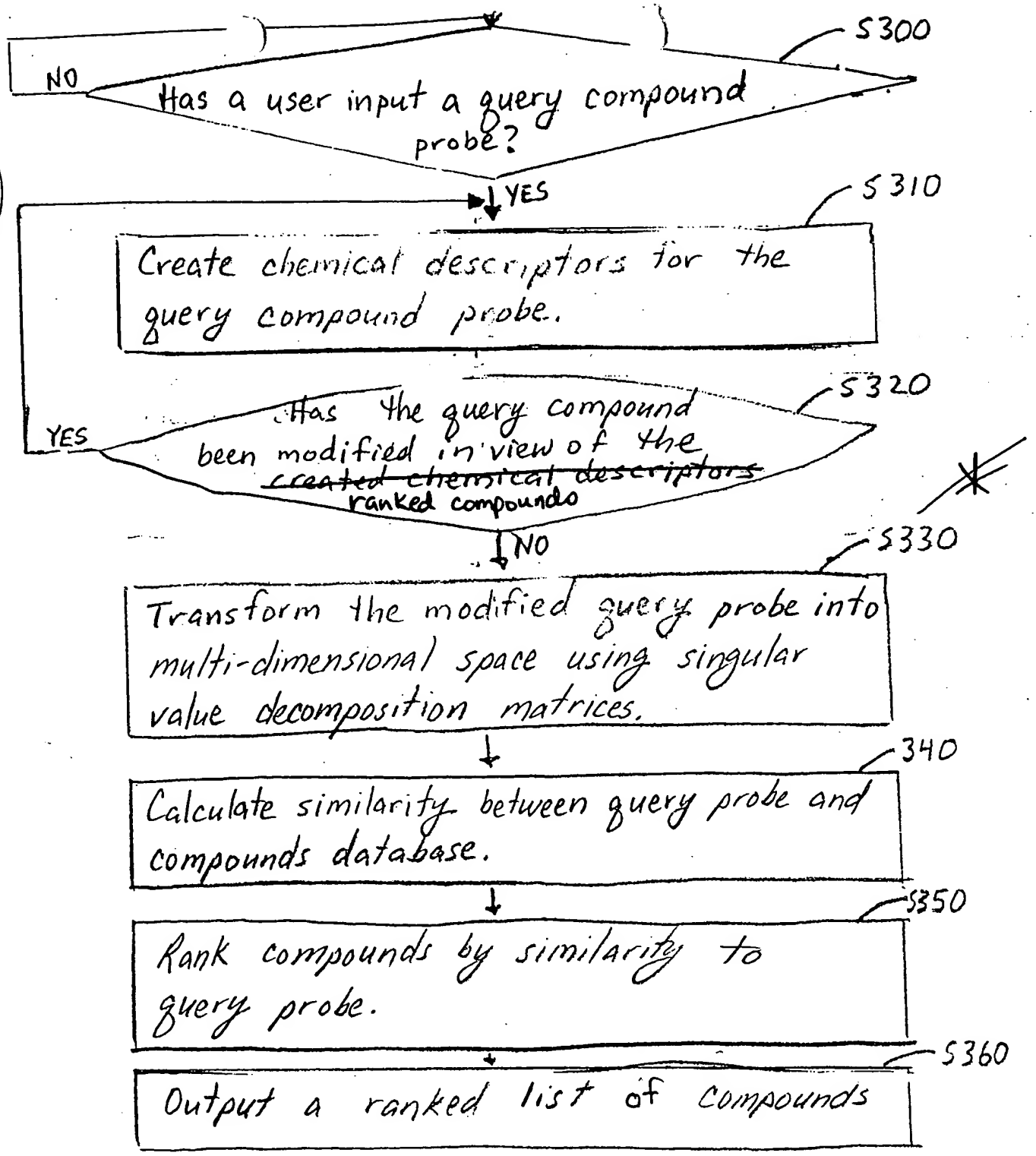
EXHIBIT A

OIPE IAP45 SEP 26 2005 PATENT & TRADEMARK OFFICE



~~SURESH,~~
~~S320 is really not right. We need to talk about this more.~~ ~~Richard~~

Figure 5

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Figure 11

Mean similarity of the probe to each molecule in the top scoring 300 compounds (MSP300) for three [redacted] examples. The MSP300 for Dice searches are shown as a horizontal lines. For comparison, the MSP300 for random sets of 300 compounds from MDDR would be 0.12-0.14.

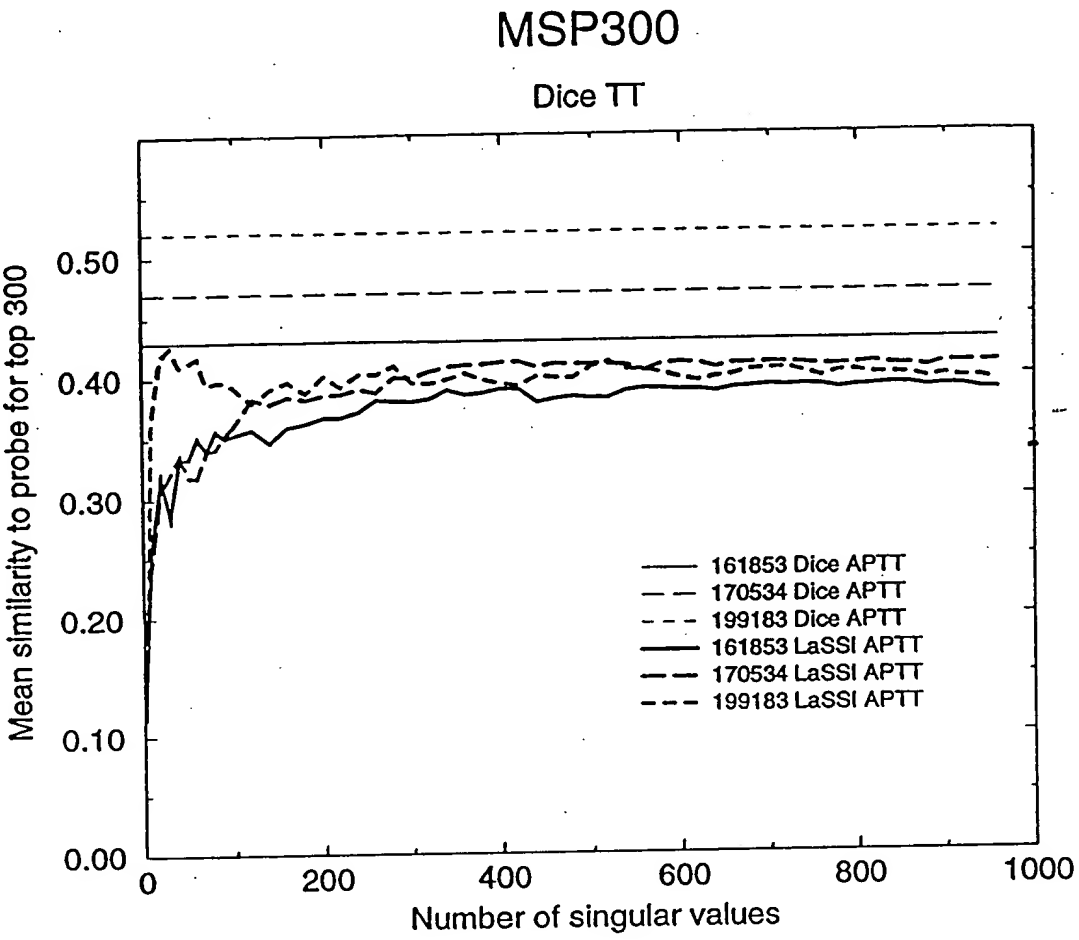

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Figure 12

Cumulative actives found vs compounds tested for 187236 as a probe. The actives are oxytocin antagonists that do not contain a dipeptide moiety.

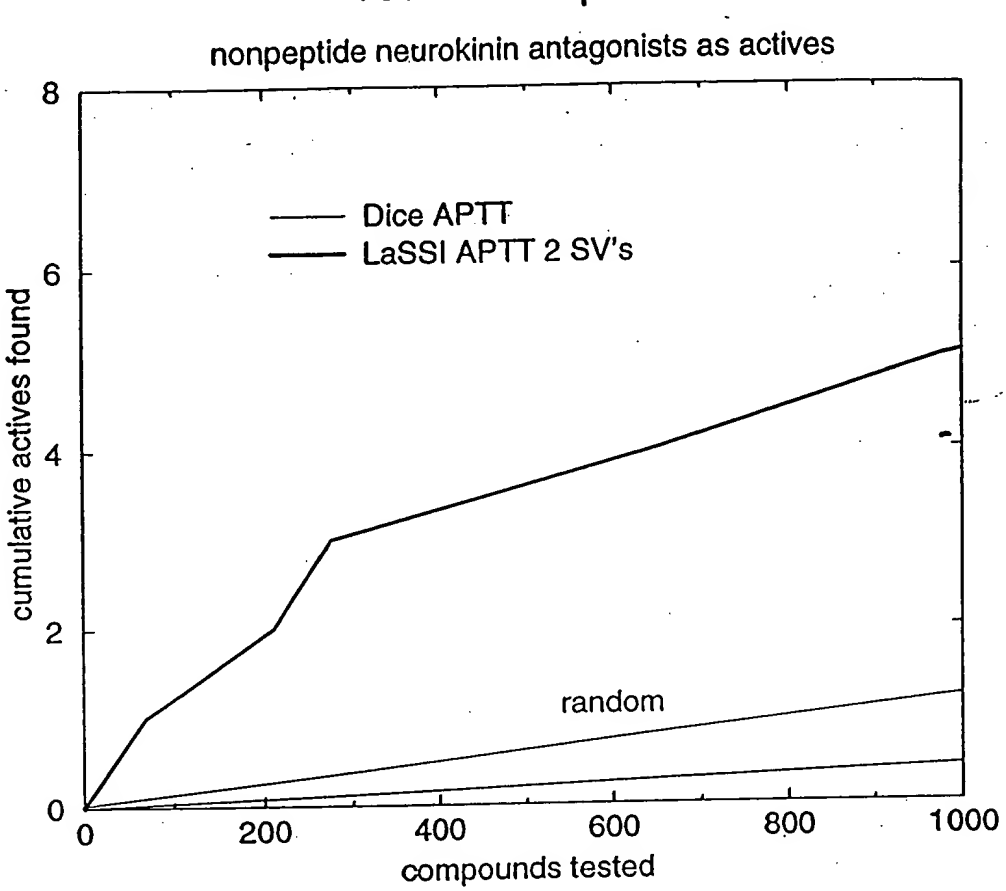

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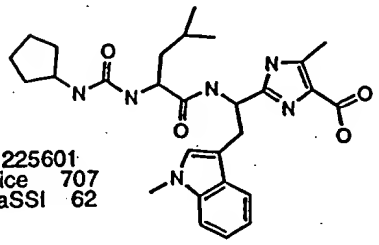
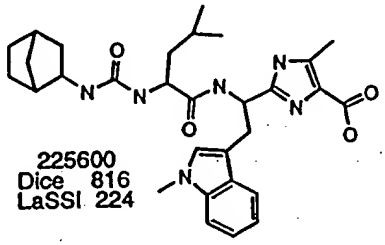
Figure 13

Selected non-peptide compounds that have extremely different ranks in Dice APTT vs LaSSI APTT for the statistically significant peptide to non-peptide examples.

174556 endothelin antagonists (9 SV's)

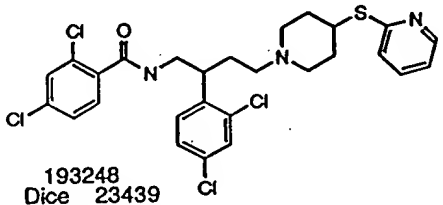


225601
Dice 707
LaSSI 62

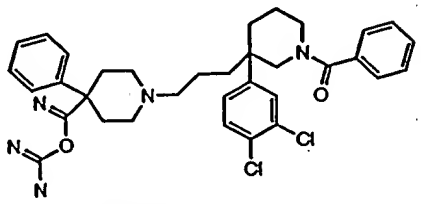


225600
Dice 816
LaSSI 224

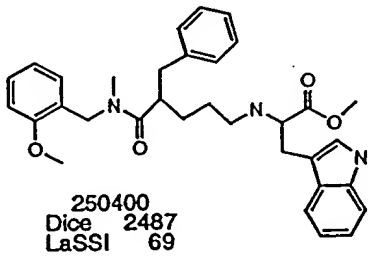
187236 neurokinin antagonists (2 SV's)



193248
Dice 23439
LaSSI 276

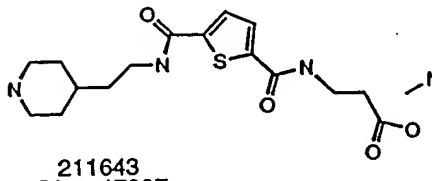


250400
Dice 15544
LaSSI 211

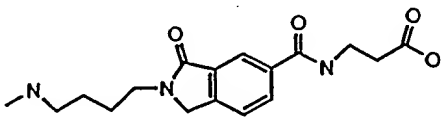


250400
Dice 2487
LaSSI 69

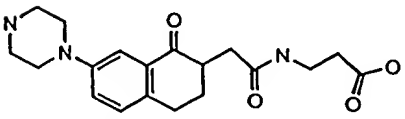
188541 gpIIb/IIIa receptor antagonists (15 SV's)



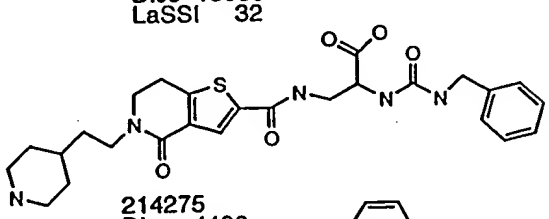
211643
Dice 17897
LaSSI 8



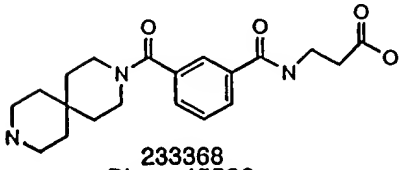
199234
Dice 13086
LaSSI 32



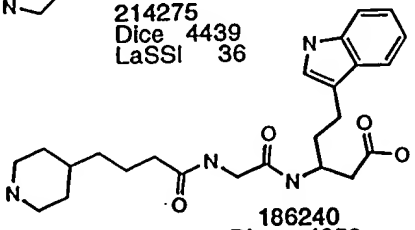
241493
Dice 11647
LaSSI 82



214275
Dice 4439
LaSSI 36



233368
Dice 15566
LaSSI 249



186240
Dice 4059
LaSSI 222

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EXHIBIT B